Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/04/2019 12:15 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123115	-2	3.20	123327	3.16
Blue	F	SSC	125000	121224	-4	3.19	122070	3.14
Blue	E	FITC	16694	16128	-4	4.09	376	22.01
Blue	D	PE	32792	31831	-3	3.46	703	17.06
Blue	B	PerCP-Cy5-5	44451	43133	-3	5.62	1176	24.49
Blue	A	PE-Cy7	33645	32629	-4	8.79	590	53.24
Red	C	APC	47008	46077	-2	3.15	1780	13.49
Red	A	APC-Cy7	32298	30972	-5	4.35	775	14.90
Violet	B	V450	8961	8415	-7	4.58	470	14.72
Violet	A	V500	32726	31728	-4	4.30	767	11.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20001	4.93	615	2	N/A	N/A	Pass
Blue	F	SSC	54341	2.97	579	11	N/A	N/A	Pass
Blue	E	FITC	63	72.41	568	5	0.0155	143	Pass
Blue	D	PE	139	59.30	573	7	0.1181	275	Pass
Blue	B	PerCP-Cy5-5	217	61.11	683	12	0.0067	102	Pass
Blue	A	PE-Cy7	108	138.24	747	21	0.0073	28	Pass
Red	C	APC	409	29.11	611	-2	0.0192	165	Pass
Red	A	APC-Cy7	192	33.26	585	0	0.0043	1232	Pass
Violet	B	V450	69	72.91	477	-9	0.0458	2692	Pass
Violet	A	V500	108	39.02	488	-8	0.0199	1041	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.01	-31.73	1.14
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	17.41	13.60 - 20.40	N/A	N/A	29.05	29.30	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 12552

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments